

FIG. -1A-

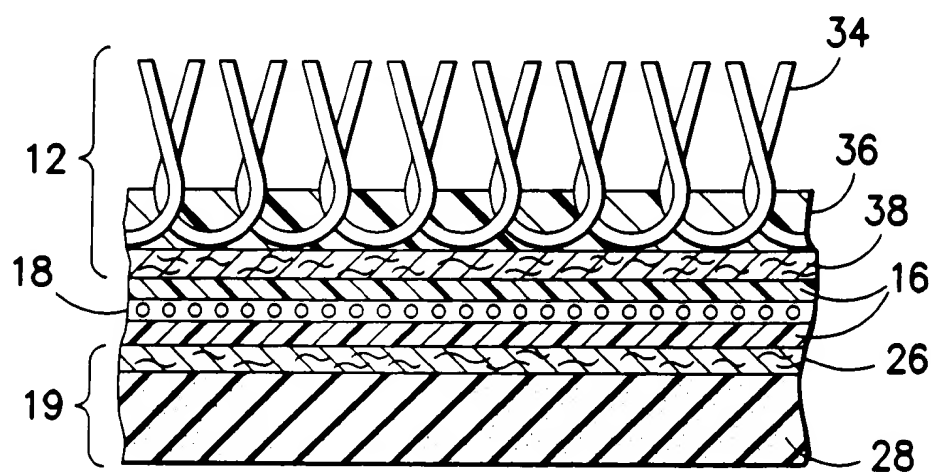


FIG. -1B-

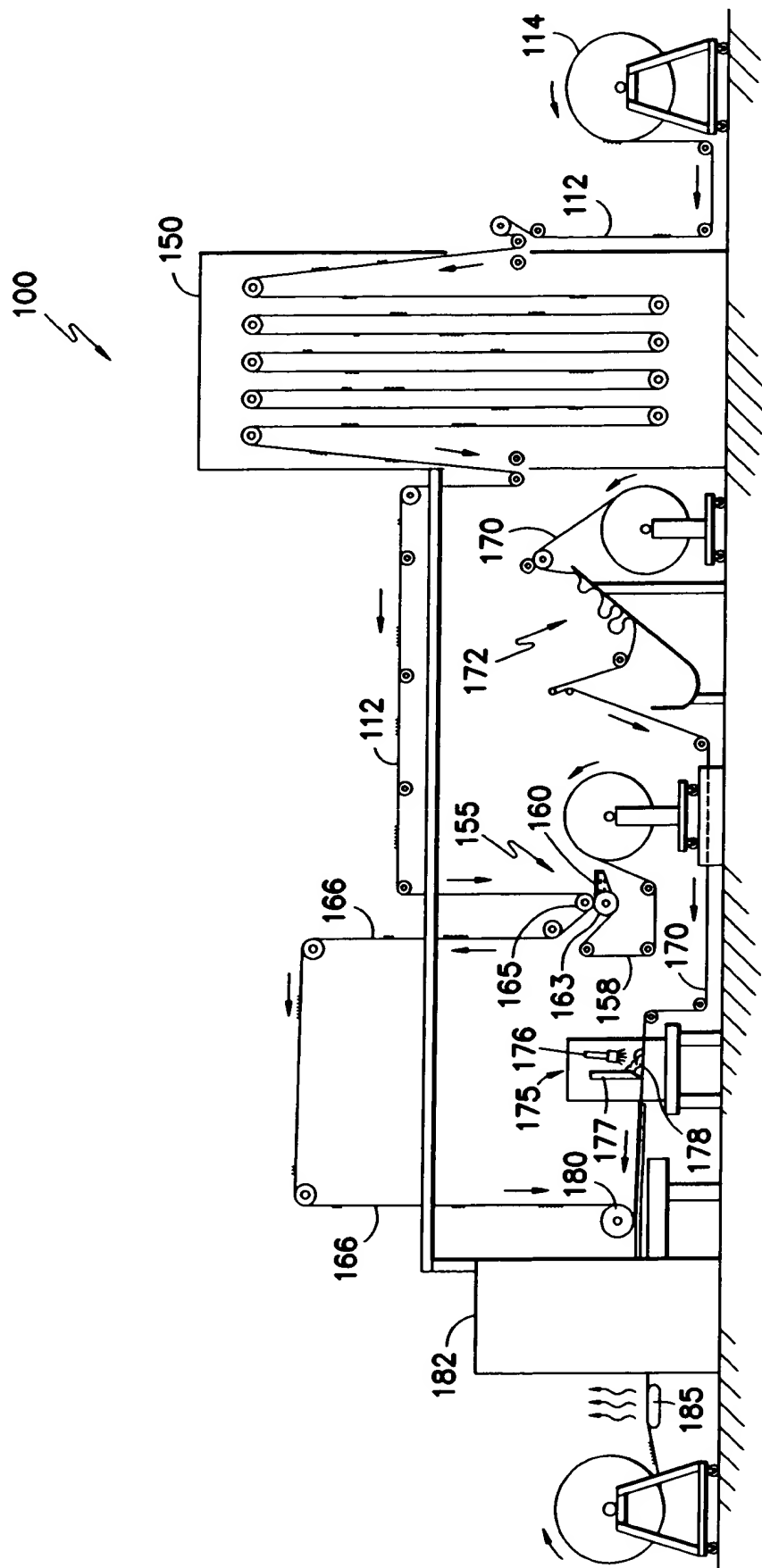


FIG. 2-

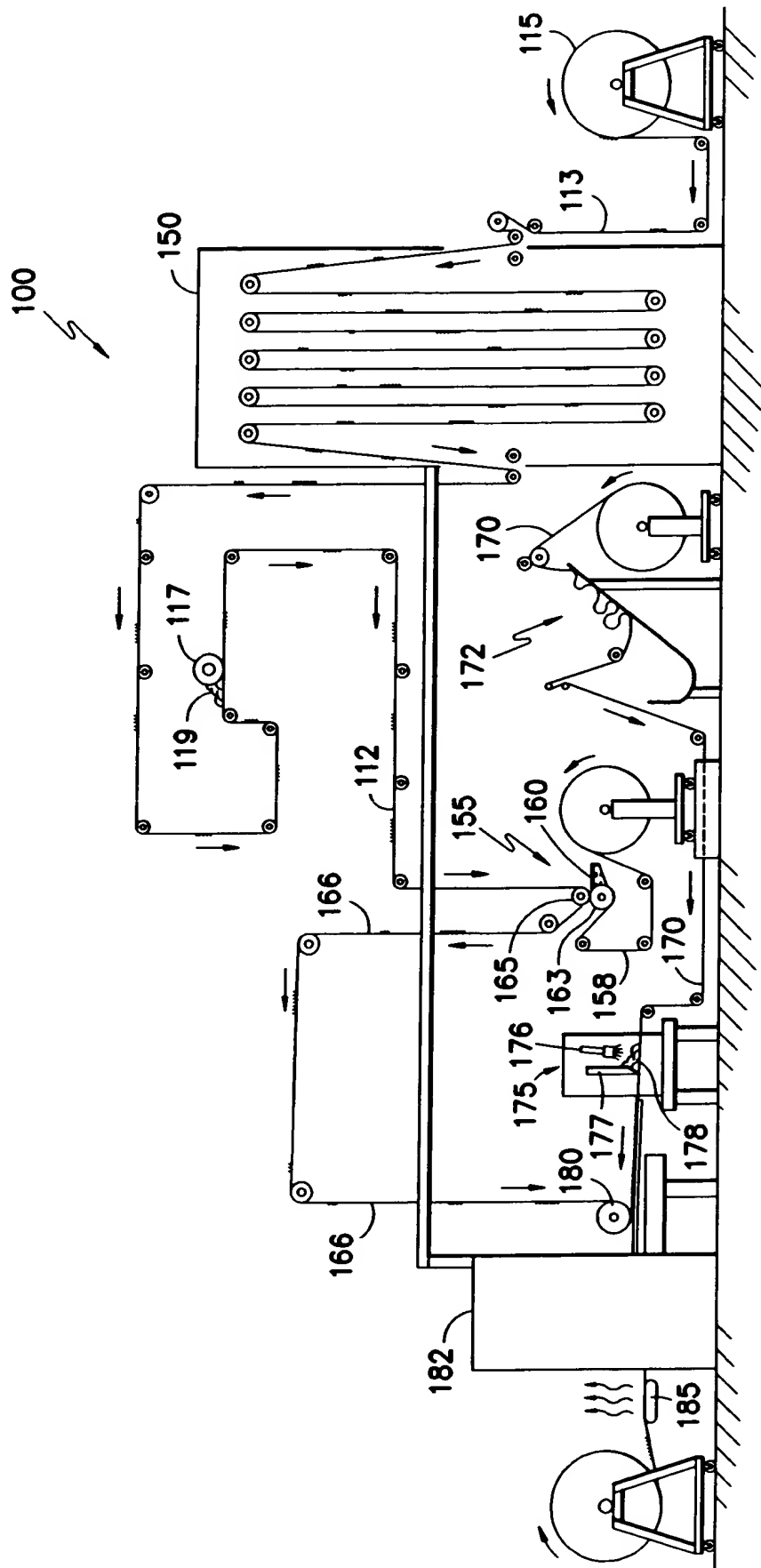


FIG. -2A-

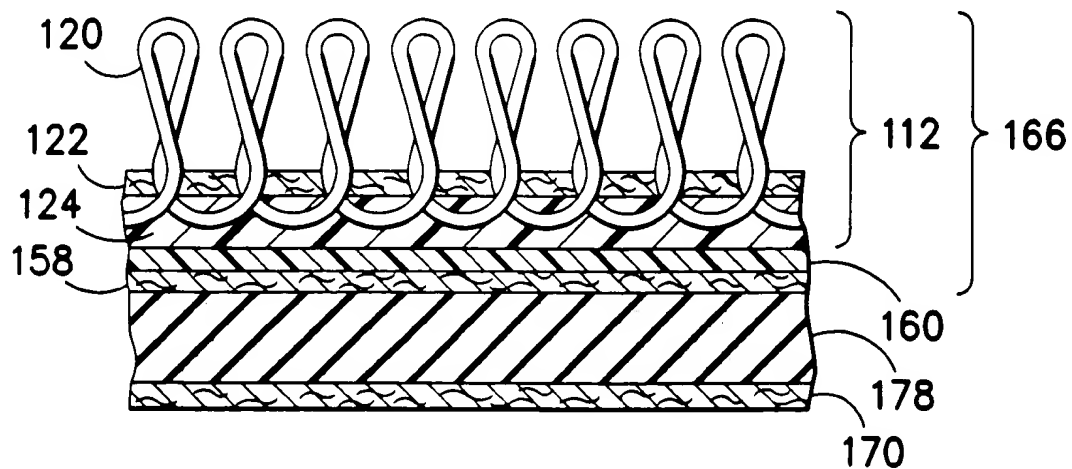


FIG. -3A-

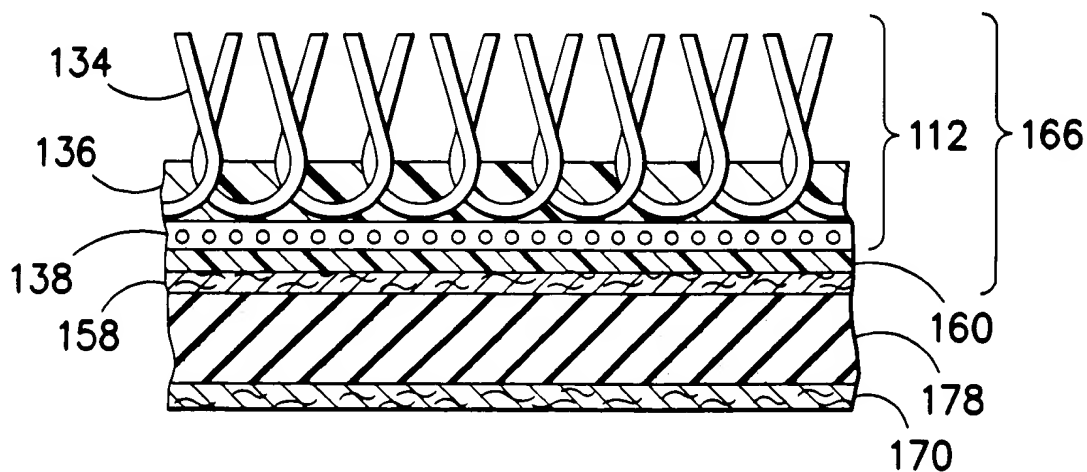


FIG. -3B-

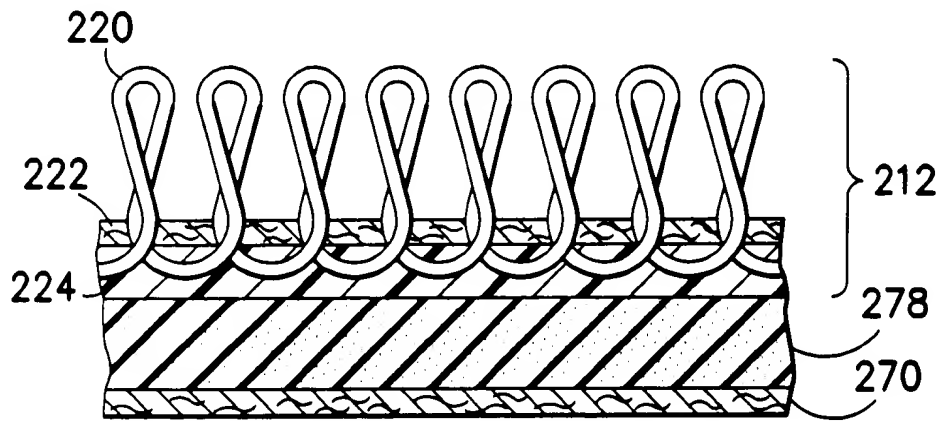


FIG. -4A-

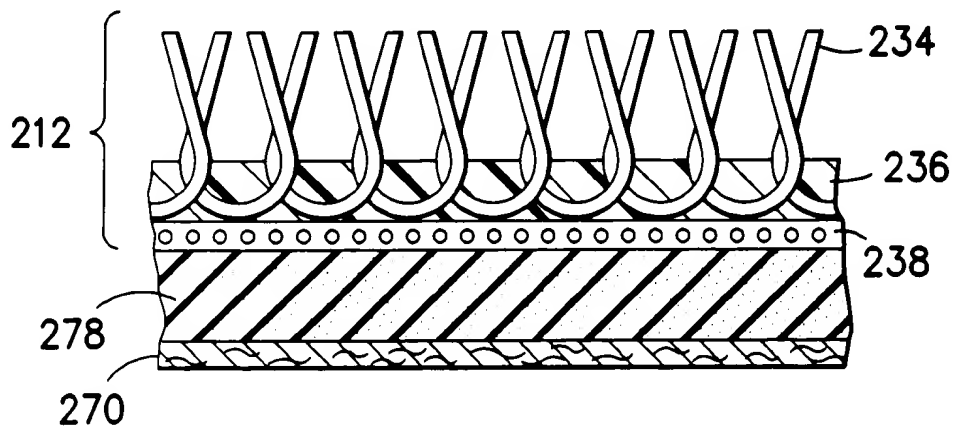


FIG. -4B-

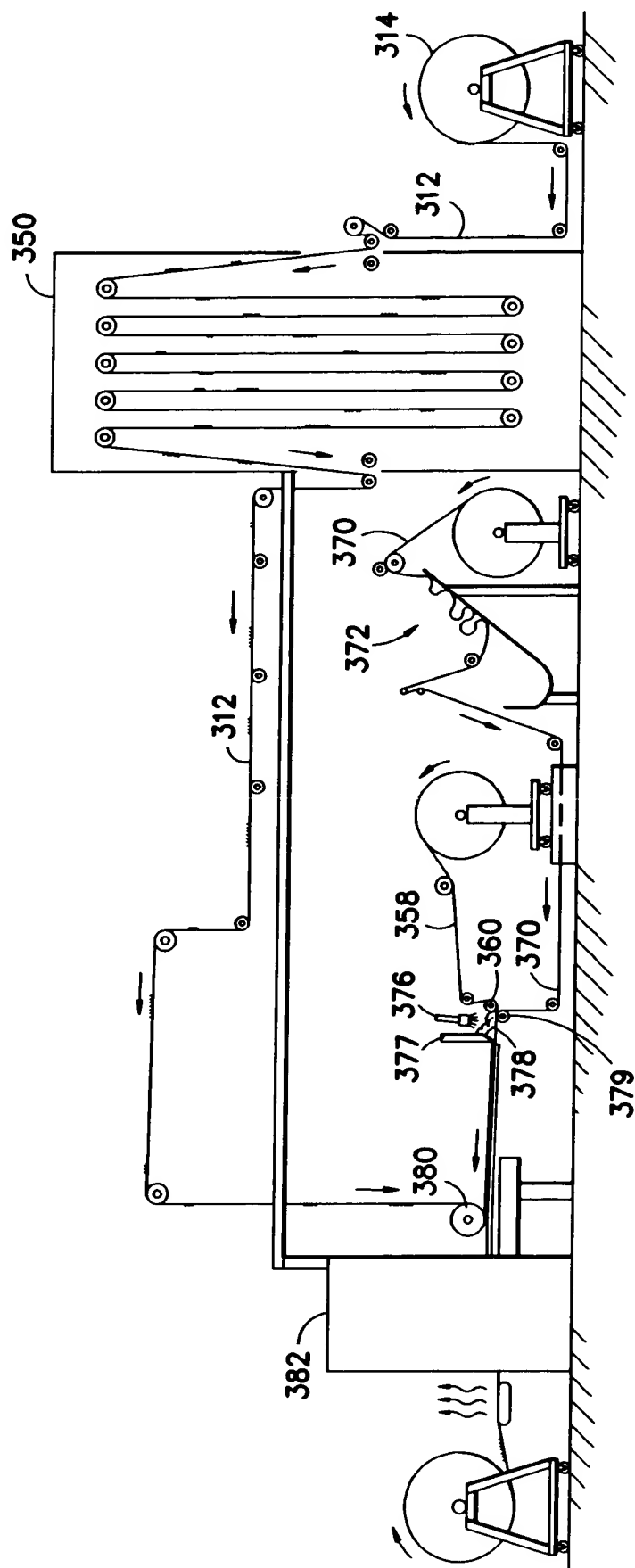


FIG. -5-

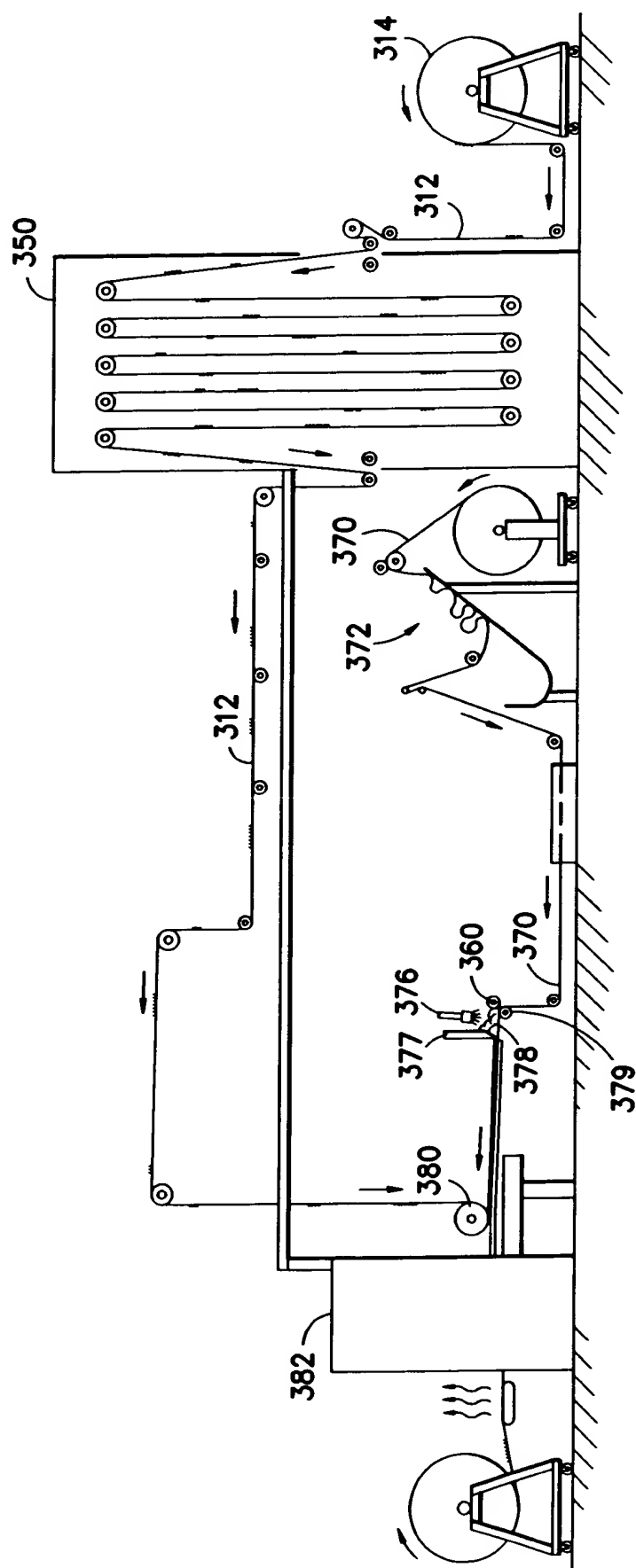


FIG. -5A-

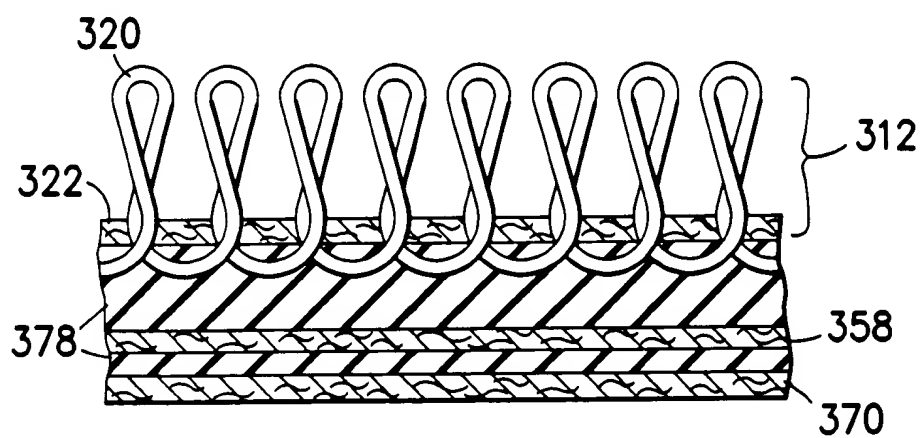


FIG. -6A-

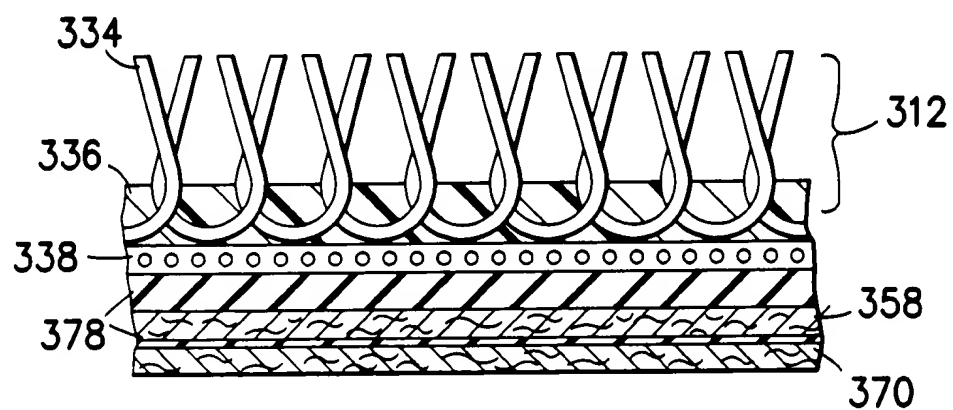


FIG. -6B-

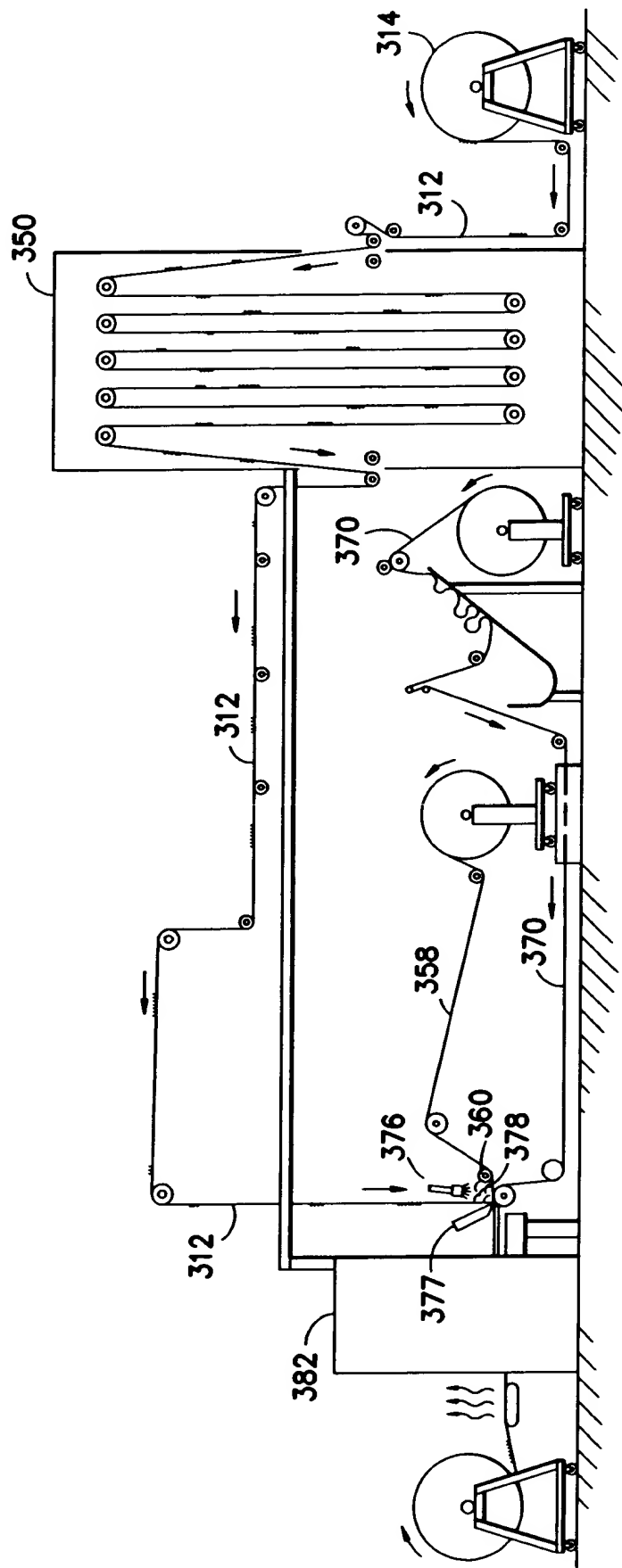


FIG. -7-



FIG. 8A

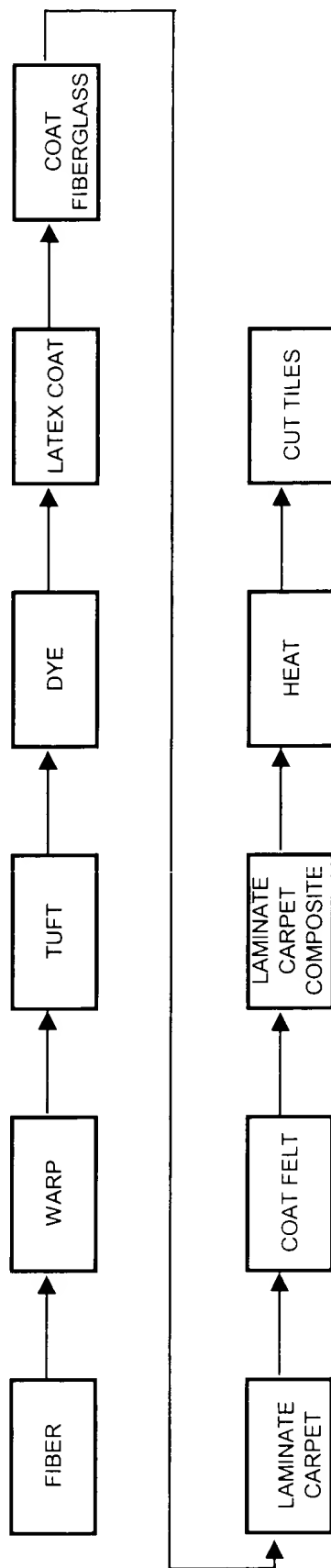


FIG. 8B

FIBER	fiber	filament	denier	ply	twist	air entangle	heatset
upper setting	nylon T-6.6 or T6	bcf	1700	3	4 x 4	yes	yes
most likely setting	nylon T-6.6 or T6	bcf	1360	1	none	none	none
lower setting	polypropylene	staple	1120	1	none	none	none

WARP	ends
upper setting	1800
most likely setting	1512
lower setting	576

TUFT	type	creel	gauge	pile height	stitches/in	primary backing	primary fiber	tufted weight
upper setting	cut	beam	5/64"	16/64"	18	non-woven	polyester	15 oz/yd ²
most likely setting	loop	beam	1/10"	10/64 & 13/64	14.39	woven	polypropylene	12.34 oz/yd ²
lower setting	loop	creel	1/8"	8/64"	10	woven	polypropylene	8 oz/yd ²

DYE	scour	vacuum	wet out	design	steam	wash	fluorochem	dry
upper setting	H ₂ O 180F	12 in Hg	100% wpu	dye injection	210F	H ₂ O	0.16 oz/yd ²	300F
most likely setting	H ₂ O 155F	10 in Hg	80% wpu	dye injection	210F	H ₂ O	0.08 oz/yd ²	270F
lower setting	H ₂ O 120F	6 in Hg	50% wpu	tufted design	210F	H ₂ O	0.04 oz/yd ²	210F

COAT	latex type	latex add on	latex oven	hotmelt adhesive	fiberglass	polyurethane add on	polyurethane thickness	polyurethane density	felt construction	felt fiber	cure
upper setting	SBR	20 oz/yd ²	320F	50 oz/yd ²	4 oz/yd ²	30 oz/yd ²	0.12 inches	18 lb/ft ³	non-woven	polyester	360F
most likely setting	SBR	16 oz/yd ²	300F	42 oz/yd ²	2 oz/yd ²	20 oz/yd ²	0.06 inches	16 lb/ft ³	non-woven	pe & pp	330F
lower setting	EVA	12 oz/yd ²	280F	36 oz/yd ²	1.5 oz/yd ²	10 oz/yd ²	0.04 inches	14 lb/ft ³	woven	polypropylene	300F

Fig. 9

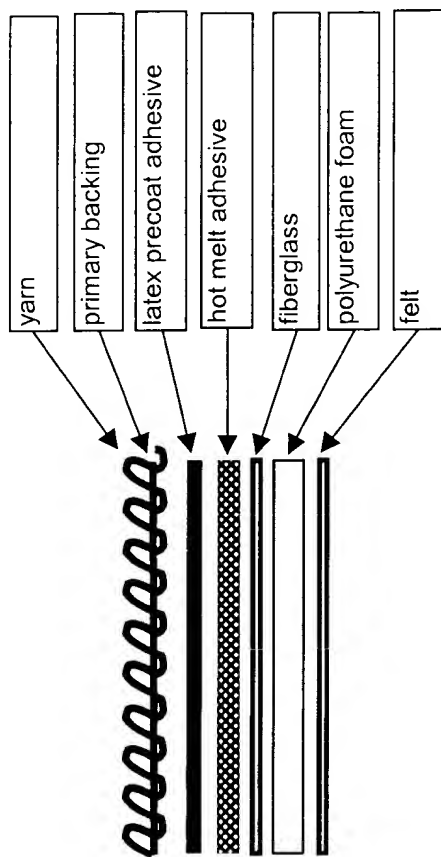


FIG. 10A

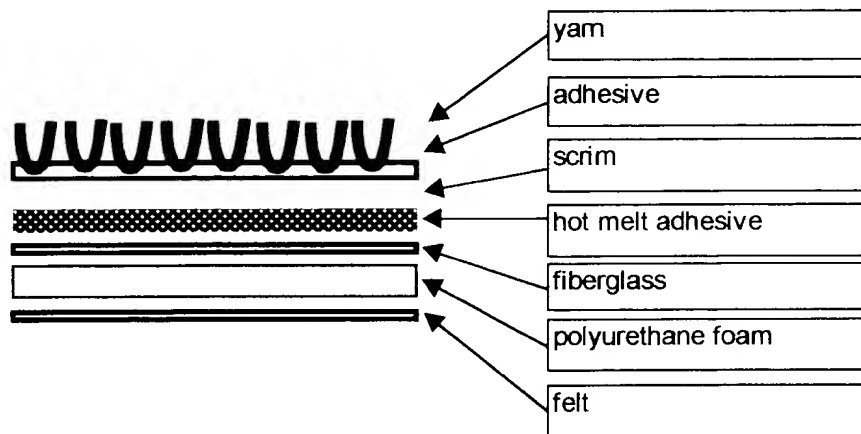


FIG. 10B

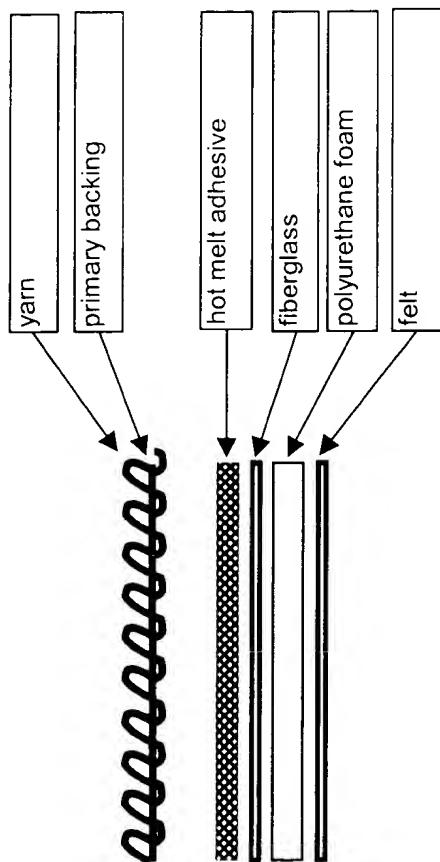


FIG. 11

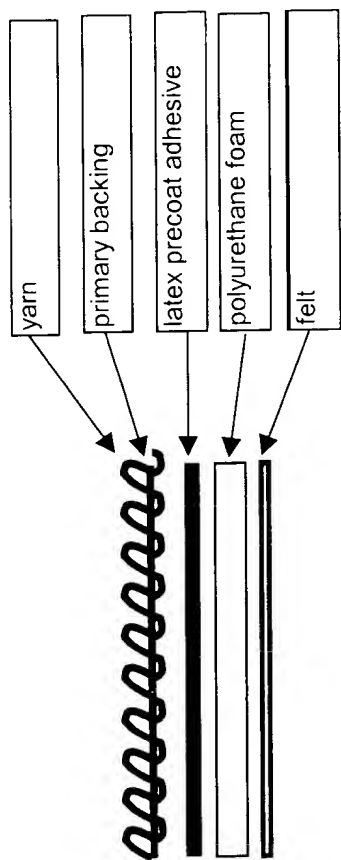


FIG. 12

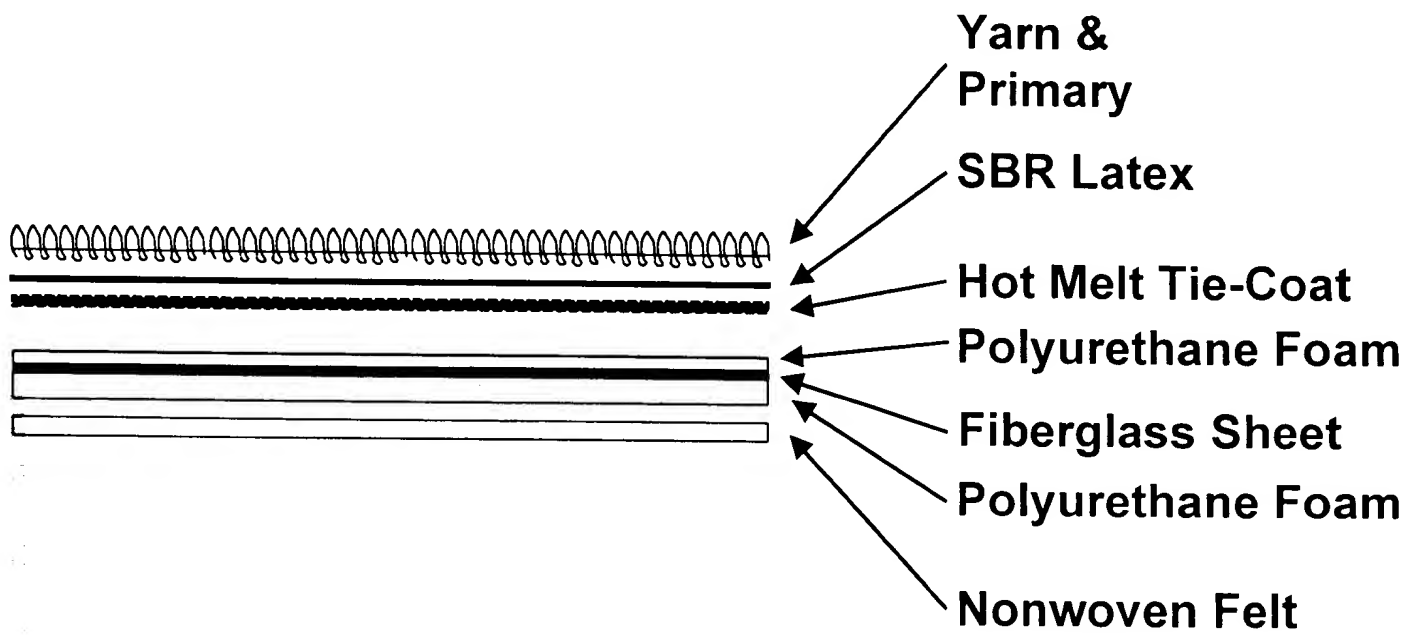


Fig. 13

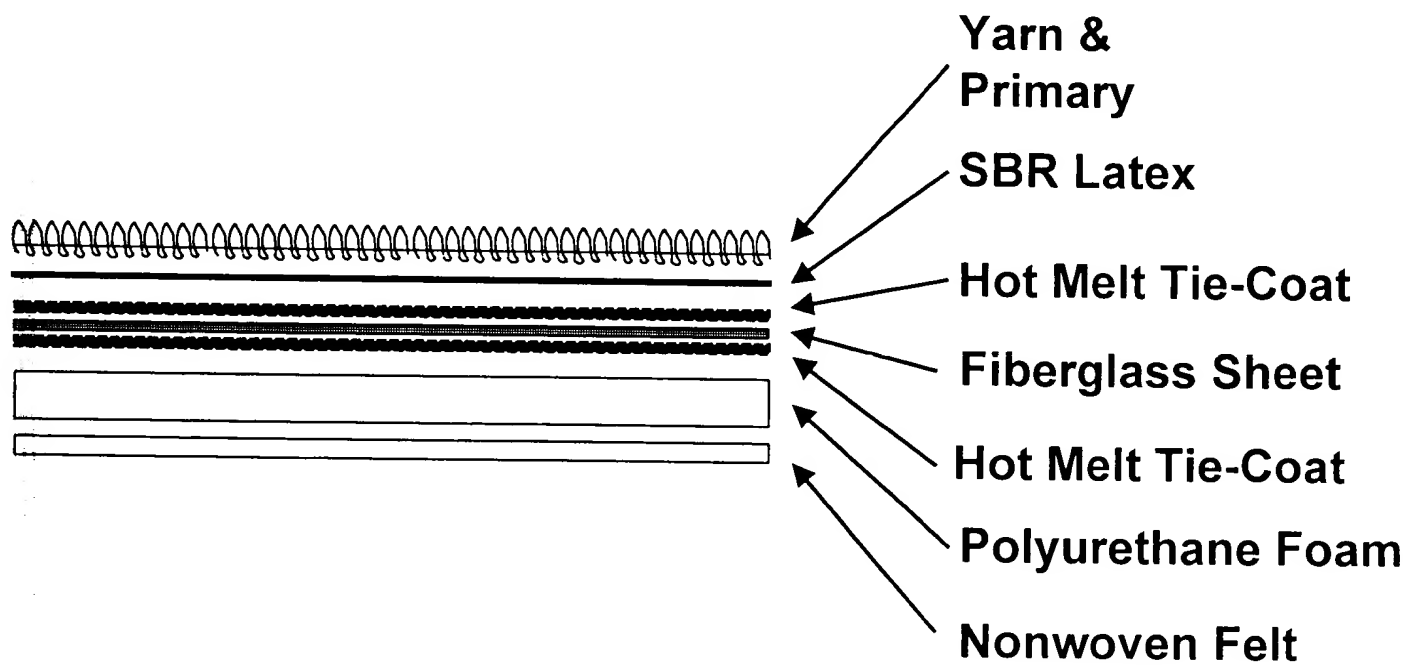


Fig. 14

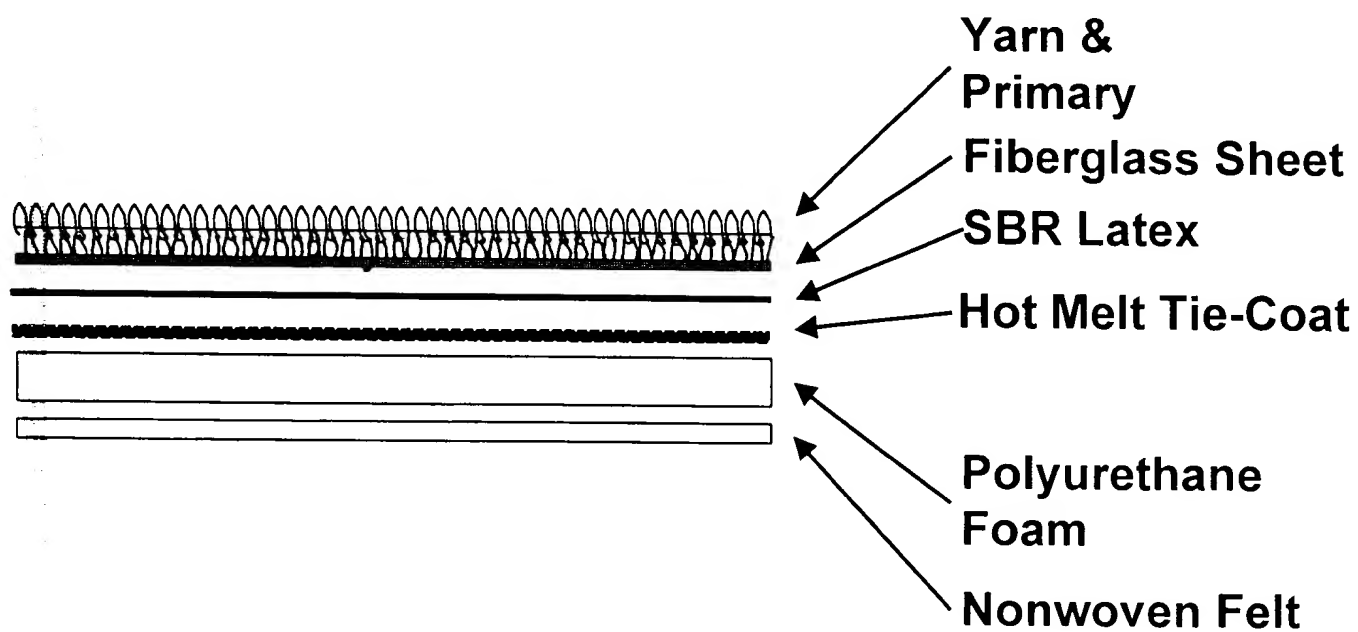


Fig. 15

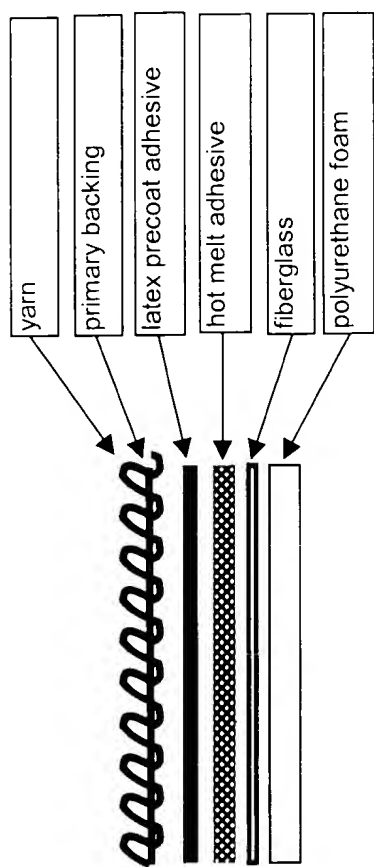


FIG. 16

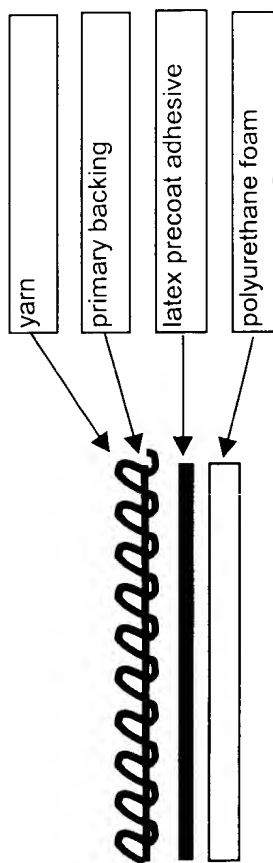


FIG. 17

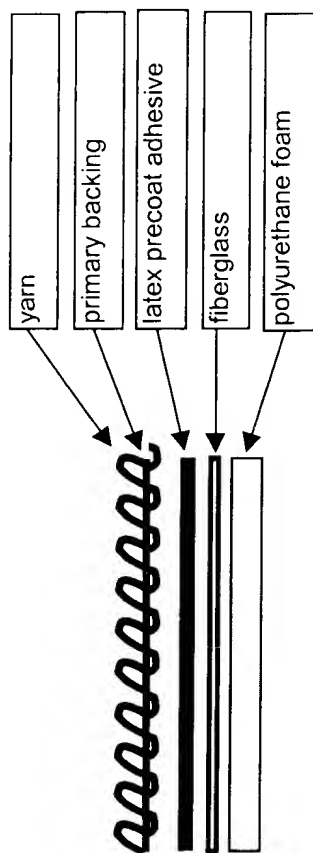


FIG. 18

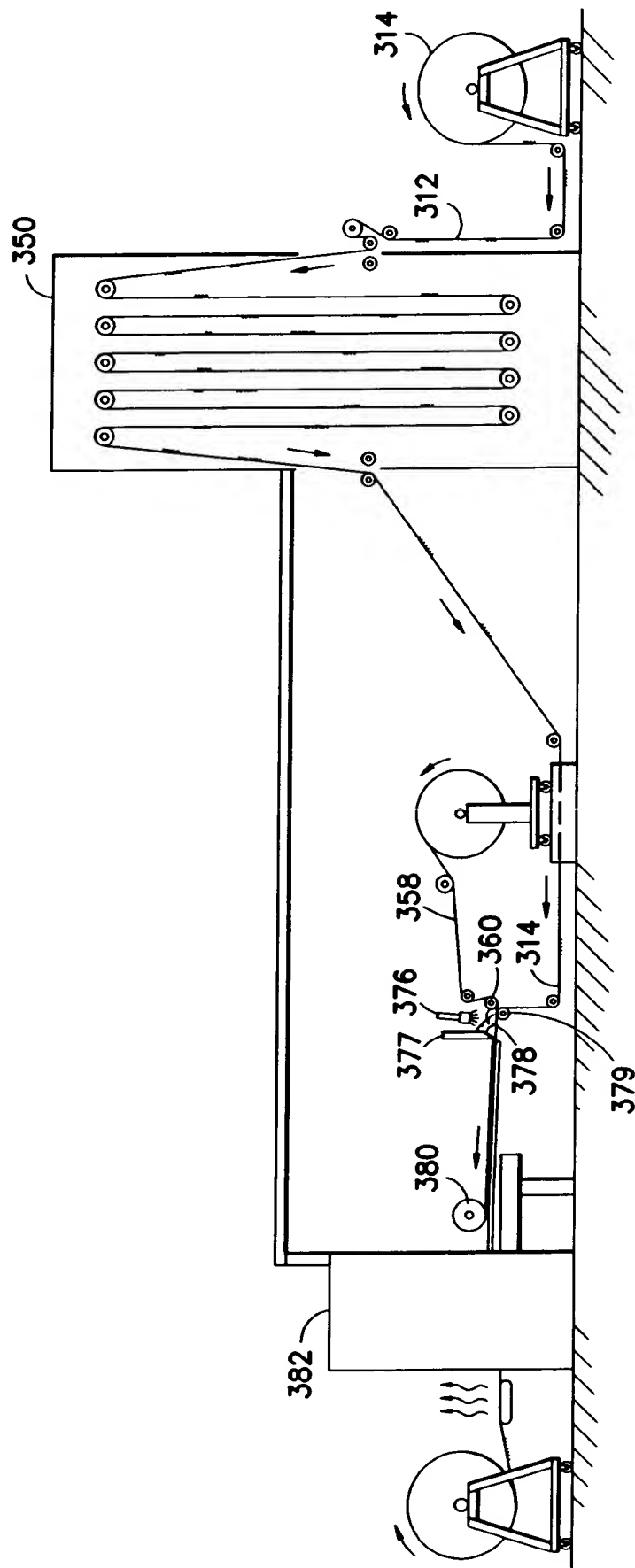


FIG. 19

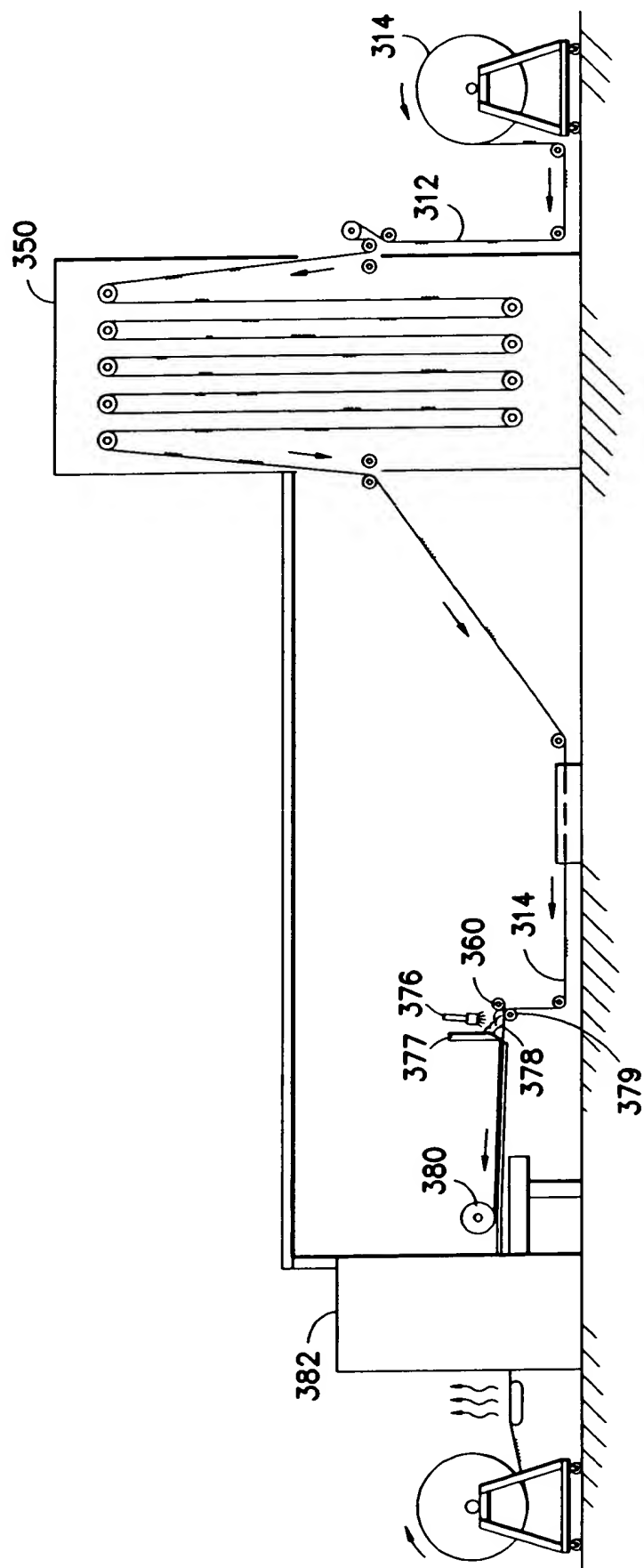


FIG. 19A